



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Air Drilling Specialist
Oil & Gas Wells

THORNTON AIR ROTARY, LLC
Office Phone: 620-879-2073

PO Box 449
Caney, KS 67333

Date Started	12/29/2010
Date Completed	1/4/2011

Well No.	Operator	Lease	A.P.I #	County	State
8C-3	Layne Energy Operating	Zook	125-32017-00-00	Montgomery	Kansas

1/4	1/4	1/4	Sec.	Twp.	Rge.
			3	31	14

Driller	Type/Well	Cement Used	Casing Used	Depth	Size of Hole
Billy	Oil	4	21.5' 8 5/8	1247	6 3/4

Formation Record

0-3	DIRT	1127-1129	COAL (MINERAL)		
3-76	LIME	1129-1171	SHALE		
76-287	LMY SHALE	1162	GAS TEST-2#, 1/4", MCF-12.7		
287-289	LIME	1171-1172	COAL		
289-430	SAND	1172-1175	BLACK SHALE		
430-540	LIME	1175-1178	SANDY SHALE		
540-560	LMY SHALE	1178-1183	SAND/1180-83 OIL ODOR		
560-575	SANDY SHALE	1183-1188	WHITE SAND		
575-650	LIME	1188-1193	SANDY SHALE		
650-753	SHALE	1193-1215	SHALE		
753-770	LIME	1215-1223	SAND		
770-782	SAND	1223-1227	SANDY SHALE		
782-880	SHALE	1227-1233	SHALE		
880-882	COAL (MULBERRY)	1233-1234	COAL		
882-913	LIME (PAWNEE)	1234-1247	SHALE		
913-920	BLK SHALE (LEXINGTON)	1247	TD		
920-969	SHALE				
969-992	LIME (OSWEGO)				
992-1002	BLK SHALE (SUMMIT)				
1002-1007	LIME				
1007-1015	BLACK SHALE				
1015-1016	COAL (MULKEY)				
1016-1034	LIME				
1034-1062	SHALE				
1062-1063	COAL (BEVEIR)				
1063-1075	SHALE				
1075-1077	LIME				
1077-1079	SHALE				
1079-1080	COAL (CROWBERG)				
1080-1127	SHALE				

Well Report

ZOOK 8C-3

API Number:

Project Area:

SYCAMORE
KS Montgomery
31S - 14E - 3
1493FNL - 817FEL

AFE Number:

AFE Amount: \$0.00

Activity Date	Activity Description
12/29/2010	MIRU Thornton, drilled 11" hole 22' deep, RIH W/1 joint 8-5/8" surface casing. Mixed 4 sx type 1 cement, dumped down the backside. SDFN.
12/30/2010	TIH W/ 6 3/4" BIT, HAMMER AND DRILL PIPE, DRILLED OUT FROM UNDER SURFACE TO 400' RIG BROKE SDFN.
1/4/2011	DRILL OUT FROM 400' TO 1247' TD TAKING SAMPLES AT ZONES OF INTEREST RD DRILL RIG MOVE IN OSAGE WIRELINE PULLED LOGS FROM LOGGER DEPTH TO SURFACE. SDFN AWAITING TO PLUG.
1/27/2011	MI RU WITH 2-3/8 TUBING RAN TO 1235 PUMPED GEL SPACER, MIXED 15 SACKS 60/40 POZ CEMENT. PULLED PITE TO 481'. PUMPED ANOTHER 15 SACKS CEMENT, PULLED PIPE TO 250' PUMPED 60 SACKS CEMENT PUMPED 250' TO SURFACE. JOB COMPLETE BREAK DOWN.

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



phone: 316-337-6200
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<http://kcc.ks.gov/>

Thomas E. Wright, Chairman
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

April 19, 2011

Victor H. Dyal
Layne Energy Operating, LLC
1900 SHAWNEE MISSION PKWY
MISSION WOODS, KS 66205-2001

Re: ACO1
API 15-125-32017-00-00
ZOOK 8C-3
NE/4 Sec.03-31S-14E
Montgomery County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Victor H. Dyal